

Appl. No. 10/672,683
Amendment dated October 22, 2004
Reply to Office Action of June 24, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (currently amended) A method for inhibiting the growth of ~~a cancer cell~~, a cervical carcinoma cell, a hepatocellular carcinoma cell, or a breast cancer cell, comprising ~~treating the cancer cell with~~ administering an effective amount of abietic acid or derivatives thereof to the cell.
2. (canceled)
3. (currently amended) The method of Claim 1, wherein the ~~cancer~~ cell swells and becomes round in morphology after exposure of the abietic acid or derivatives thereof for about 24 hours.
- 4.-7. (canceled)
8. (currently amended) A method for treating, alleviating, or ameliorating symptoms ~~of the cancer associated with cancer caused by cervical carcinoma cells, hepatocellular carcinoma cells, or breast cancer cells~~, comprising ~~the step of administering~~ administering to a subject in need thereof an effective amount of abietic acid or derivatives thereof.
9. (original) The method of Claim 8, wherein the cancer is a breast cancer.
10. (original) The method of Claim 8, ~~which reduces the tumor size of the cancer in the subject wherein the cancer is a tumor and administering abietic acid or derivatives thereof decreases tumor size.~~
11. (original) The method of Claim 8, wherein the abietic acid or derivatives thereof is orally administrated.

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12.-16. (canceled)

17. (new) The method of claim 1, wherein the cells are human.

18. (new) The method of claim 8, wherein the subject is human.

19. (new) A method for enhancing the inhibitory activity of an anticancer drug in cervical carcinoma cells, hepatocellular carcinoma cells, or breast cancer cells, comprising administering to the cells abietic acid or derivative thereof in combination with the anticancer drug.

20. (new) The method of claim 19, wherein the cells are human.

21. (new) The method of claim 19, wherein the abietic acid or derivative thereof and anticancer drug are administered simultaneously.

22. (new) The method of claim 19, wherein the abietic acid or derivative thereof and anticancer drug are administered sequentially.

23. (new) The method of claim 19, wherein the anticancer drug is taxol.

24. (new) The method of claim 19, wherein the anticancer drug is mitomycin C.

25. (new) A method for increasing the permeability of cervical carcinoma cells, hepatocellular carcinoma cells, or breast cancer cells, comprising contacting the cells with abietic acid or a derivative thereof.

26. (new) The method of claim 25, wherein the cells are human.

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27. (new) The method of claim 25, wherein the cells swell and become round in morphology after exposure to abietic acid or a derivative thereof.
28. (new) A method for inhibiting a tumor, comprising administering to the tumor abietic acid or a derivative thereof wherein the tumor is a cervical cancer tumor, hepatocellular cancer tumor, or a breast cancer tumor.
29. (new) The method of claim 28, wherein the tumor is a breast cancer tumor.